



AWH Polytechnic College

Approved by: AICTE & DTE Govt. of Kerala.

Kuttikkattoor, Calicut-673008, Kerala, India

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Association for Welfare of the Handicapped (AWH)

Association for Welfare of the Handicapped (AWH) is a pioneering welfare organization centered in Calicut, Kerala. Special education for mentally retarded and physically handicapped students, higher education and technical education are the prominent areas where attention is focused by the visionaries of AWH. All efforts are being made to make the institutions versatile, unique and capable of participating in the process of social transformation.

AWH is committed to promoting and propagating quality education on par with international standards. Formed in 1973 and registered in 1975 under societies registration act XXI of 1860, the AWH has at present 33 welfare institutions and projects and its beneficiaries exceed 10000 per annum.

The priorities of AWH are programmes and projects in the area of disability management, special education, Vocational Training, Medical Intervention and various schemes for women & children and aged in distress. AWH is also interested in the adoption of latest technologies in disability management apart from providing BPT, B.Sc. Genetics, MPT, MSW and MASLP programs. The organization also conducts several other courses in the area of disability welfare management.

The Corporate Office of AWH is located at

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AWH Polytechnic College

Introduction

AWH Polytechnic College is a self-financing polytechnic college managed by the Association for the Welfare of Handicapped (AWH), Kozhikode, Kerala. The Polytechnic College is recognized by All India Council for Technical Education (AICTE) and Govt. of Kerala. Our AICTE permanent ID is 1-467727335.

Courses

The AWH Polytechnic College currently offers 3 year Diploma courses in the following disciplines:

1. **Biomedical Engineering**
2. **Tool and Die Engineering**
3. **Electronics & Communication Engineering**
4. **Mechanical Engineering**

The Location

The College is located in a serene, sprawling and ever green campus at Kuttikkattoor, 12 km from Calicut city and almost 26 km from Calicut International Airport. Kuttikkattoor is in the Calicut - Mavoor route. Ample open spaces and a planned network of various department blocks and other buildings add to the aesthetic beauty of the campus, making it conducive to academic and research pursuits. The campus is well connected through important roads with Calicut city and National Highways.

Our Mission

To equip the youth to face the challenges in the globally competitive scenario by giving systematic training on par with international standards and ever changing technology.

Our Vision

The institute is committed to provide value-based technical education, and to generate, disseminate and preserve knowledge so as to impact on the technical and scientific challenges of the nation and the world. The institution shall seek to develop in each student the ability and passion to work wisely, creatively and effectively so that their glorious endeavors to attain great heights will be matched by an ardent desire to serve the mankind with a vision for future.

Tool & Die Engineering

It is the mother of all manufacturing and is affixed with moulds, jigs & fixtures, plastics, die casting. With the advent of technology this stream has attained new heights in terms of quality of products and ease of products. Mechanical Tool and Die technicians play a key role in manufacturing and service industries. Both traditional machining skills and advanced computer-aided manufacturing(CAM) techniques are used to create manufacturing or production equipments, jigs, fixtures, moulds and dies for industries. This three year diploma course addresses the rapid changes in technology that have caused a revolution in tool and die making methods, bringing innovations in production processes.

Scope

Diploma holders in Tool and Die making are qualified for jobs such as press tool making, mould making, general machine quality control, process planning and estimating. They are also qualified for technical sales roles in industries including automotive manufacturing, aerospace, urban transit, and other automated production environments. They mainly have their future as technicians in the area of tool design and manufacturing. Tool makers and machinists have good prospectus in industry as well as higher studies. Present day designing and manufacturing process is fully based on automated and computerized methodology, thus widening the horizon of opportunities for them.



Biomedical Engineering

Electronics and Computer Systems have transformed the field of medicine. It has become easy to diagnose and treat diseases by the application of these systems. The need for expertise to design and develop such devices brought about a revolution which gave birth to the department of Biomedical Engineering.

Scope

A Biomedical engineer can be termed as the doctor of the equipments sans which a doctor, a surgeon or a multi speciality hospital is vulnerable. Biomedical Engineering are the one who designs devices and measures that solve medical and health-related problems by homogenizing biology and medicine with engineering principles and practices. The unending & increasing job opportunities in hospital for the sales, service, maintenance & supervision of medical equipments can be made use of by Biomedical Engineers.

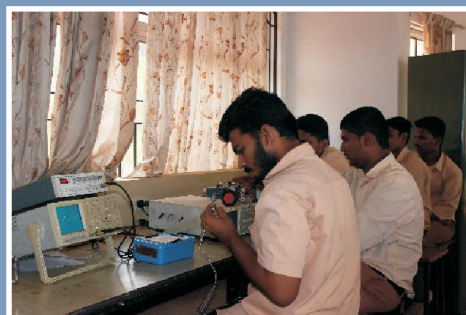


Electronics & Communication Engineering

One of the broad engineering field, Electronics and Communication encompasses the transmission of information across channels like coax cable or optical fiber. Production of equipment's such as routers, switches, fiber optics and electronic switching systems also comes under this tributary of engineering. In a nutshell, this branch of engineering deals with electronics devices and software interfaces.

Scope

Professionals may work in nearly every industry such as commercial, industrial, military or scientific companies. Job opportunities are available in both software and electronics companies. One may also enter into research and development. Engineers from Electronics and communication are also absorbed into the defense fields, entertainment and transmission industry and many more. In fact the greatest employment opportunities for electronics and communications engineers are provided by the Electronic communication device manufacturers, Chip Design-Industries as well as Semiconductor manufacturing firms.



Mechanical Engineering

This program is designed to produce technicians with broad knowledge in engineering with applications covering the design, development, manufacture, operation and maintenance of machines and mechanical devices. Mechanical engineering is one of the most basic engineering branches and has got its own relevance. The latest trends towards MEMS technology have considerably increased the scope of this branch of engineering.

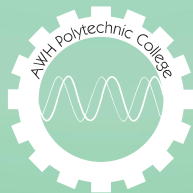
Scope

The Diploma holders may find their jobs in organizations involved in manufacturing, transportation, mining, construction, and also in consulting engineering. They may be involved in product design, technical sales, specifications preparation and cost estimates, testing, evaluating, and research and development. Some mechanical technologists will find employment in specialized fields such as design drafting training, material testing, automation and packaging, instrumentation design, and implementation of CAD/CAM equipments.



Institutions of excellence managed by AWH

- ♦ **AWH Engineering College**, Kuttikattoor, Calicut-8
- ♦ **AWH Polytechnic College**, Kuttikattoor, Calicut
- ♦ **AWH College of Education**, Cheruvannur, Calicut
- ♦ **AWH Institute of Paramedical Courses**, Kallai, Calicut-3
- ♦ **AWH Development Centre**, Calicut
- ♦ **AWH College of Science & Technology**, Anakkara, Palakkad
- ♦ **AWH Institute for Disability Management**, Calicut
- ♦ **AWH Model Residential School for Mentally Handicapped**, Vengara, Malappuram
- ♦ **AWH School for Exceptional Children**, Pattambi, Palakkad
- ♦ **AWH Special College**, Payyannur, Kannur
- ♦ **AWH Special School for Mentally Handicapped**, Kottakkal, Malappuram
- ♦ **AWH Special College**, Kallai, Calicut-3
- ♦ **AWH Teacher Training Institute**, Cheruvannur, Calicut
- ♦ **School for the Deaf**, Parappanangadi, Malappuram
- ♦ **Institute of Printing Technology for Handicapped**, Calicut
- ♦ **Jan Shikshan Sansthan**, Calicut
- ♦ **Jan Shikshan Sansthan**, Kannur
- ♦ **Kerala School for Blind**, Mankada, Malappuram
- ♦ **Pre-Primary School for Mentally Handicapped**, Tirurangadi, Malappuram
- ♦ **Primary School for Deaf**, Parappanangadi, Malappuram
- ♦ **Rahmania Higher Secondary School for Handicapped**, Calicut-8
- ♦ **Rahmania School for Handicapped**, Calicut-8
- ♦ **Rahmania School for Mentally Handicapped**, Calicut-8
- ♦ **Rahmania Vocational Higher Secondary School for Handicapped**, Calicut
- ♦ **RSMH Teacher Training Institute**, Calicut-8



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